

# quick start guide

RS21H\*L\*\*  
RS21H\*\*\*\*  
RS23H\*\*\*\*

## 1. Product features



### **HIDDEN HINGES & DOOR S/W**

Slick-covered hidden hinges & door s/w helps Neat & Stylish square frontal view.



### **BLACK CLEAR LED DISPLAY (optional)**

With luxurious black window, you can look and feel neat & clear design.



### **Coolselect Zone™ Drawer (optional)**

With this state of the art feature, you can select Quick Cool, Thaw or Select buttons to quickly chill, thaw and cool items just in the CoolSelect drawer. Select Soft Freeze, Cool or 0 Zone to control the temperature of drawer.



### **SOFT TOUCH TYPE HOME BAR (optional)**

With soft touch type Home Bar, just push and catch to open or close with latch and damping system.



### **EASY OPENNING (optional)**

Doors can be opened easily and smoothly with this "Easy Handle" for the customer satisfaction.



### **EASILY MOVABLE TRAY (optional)**



New concept tray to increase the movability with food simultaneously. Useful for storage of dessert and cake etc.

## 2. Safety Information








Before using your new Samsung Side-By-Side Refrigerator, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the features and functions that your new appliance offers.

Because the following instruction covers various models, the characteristics of your Refrigerator may differ slightly from the Refrigerator described in this manual. If you have any question, contact us or find help and information online at [www.samsung.com](http://www.samsung.com).

### CAUTION/WARNING SYMBOLS USED

	Indicates that a danger of death or serious injury exists.
	Indicates that a risk of personal injury or material damage exists.

### OTHER SYMBOLS USED

	Represents something you must NOT do.
	Represents something you must NOT disassemble.
	Represents something you must NOT touch.
	Represents something you must follow.
	Indicates that you must disconnect the power plug from the socket.
	Represents a ground is needed to prevent electric shock.
	It is recommended that this symbol be handled by service man.

**These warning signs are here to prevent injury to you and others.**

**Please follow them explicitly.**

**After reading this section, keep it in a safe place for future reference.**

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Use this appliance only for its intended purpose as described in this instruction manual.
- We strongly recommend that any servicing be performed by a qualified individual.
- R600a or R134a can be used as a refrigerant. Check the compressor label on the rear of the appliance and the rating label inside the fridge to see which refrigerant is used for the refrigerator.



- In case of R600a refrigerant, this gas is natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.





- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.
- The room must be 1m<sup>3</sup> in size for every 8g of R600a refrigerant inside the appliance.
- The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.
- Pull the power plug out of the socket before changing the interior light of the refrigerator.
  - Otherwise, there is a risk of electric shock.

## Severe warning signs

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- Do not install the refrigerator in a damp place or place where it may come in contact with water.
  - Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
- Allow sufficient space to install the refrigerator on a flat surface.
  - If your refrigerator is not level, the internal cooling system may not work correctly.
- Do not plug several appliances into the same power socket. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
  - This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
- Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
  - Damage to the cord may cause a short-circuit, fire and/or electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- Do not bend the power cord excessively or place heavy articles on it.
  - This constitutes a fire hazard.
- Have the power cord repaired or replaced immediately by the manufacturer or its service agent if power cord has become frayed or damaged.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- Do not insert the power plug with wet hands.
- Unplug the refrigerator before cleaning and making repairs.
- Do not use a wet or damp cloth when cleaning the plug.
- Remove any foreign matter or dust from the power plug pins.
  - Otherwise there is a risk of fire.
- If the refrigerator is disconnected from the power supply, you should wait for at least ten minutes before plugging it back.

- If the wall socket is loose, do not insert the power plug.
  - There is a risk of electric shock or fire.
- The appliance must be positioned so that the plug is accessible after installation.
-  The refrigerator must be grounded.
  - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
-  Never use gas pipes, telephone lines or other potential lightening rods as ground.
  - Improper use of the ground plug can result in electric shock.
- Do not disassemble or repair the refrigerator by yourself.
  - You run risk of causing a fire, malfunction and/or personal injury.
- If you smell pharmaceutical or smoke, pull out power plug immediately and contact your Samsung electronics service center.
- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not place or use electrical appliance inside the refrigerator/freezer, unless they are of a type recommended by the manufacturer.
- Before changing the interior light, unplug the appliance from the power supply.
- If you experience difficulty when changing the light, contact your service center.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not let children hang on the door. If not, a serious injury may occur.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
  - This may cause frostbite.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.
  - Deterioration in the power cord insulation may cause fire.
- Do not store articles on the top of the appliance.
  - When you open or close the door, the articles may fall and cause personal injury and/or material damage.

## Caution signs

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CAUTION

- This product is intended only for the storage of food in a domestic environment.
- Manufacturer's recommended storage times and expiry dates of frozen foods should be adhered to. Refer to relevant instructions
- Bottles should be stored tightly together so that they do not fall out.
- Do not place carbonated or fizzy drinks in the freezer compartment
- Do not overfill the refrigerator with food.
  - When you open the door, an item may fall out and cause personal injury or material damage.
- Do not put bottles or glass containers in the freezer.
  - When the contents freeze, the glass may break and cause personal injury.

- Do not spray inflammable gas near the refrigerator.
  - There is a risk of explosion or fire.
- Do not directly spray water inside or outside the refrigerator.
  - There is a risk of fire or electric shock.
- Do not store volatile or flammable substances in the refrigerator.
  - The storage of benzene, thinner, alcohol, ether, LP gas and other such products may cause explosions.
- If you have a long vacation planned, it is advisable to empty the appliance or use the vacation function.
- Do not re-freeze frozen foods that have thawed completely.
- Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
  - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not put a container filled with water on the refrigerator.
  - If spilled, there is a risk of fire or electric shock.

## ***Caution signs for cleaning***

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- Do not insert your hands into the bottom area under the appliance.
  - Any sharp edges may cause personal injury.
- Never put fingers or other objects into the dispenser hole and ice chute.
  - It may cause personal injury or material damage.
- Do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
  - Otherwise there is a risk of fire.
- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back.

## ***Warning signs for disposal***

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- When disposing of this or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside.
- Leave the shelves in place so that children may not easily climb inside.
- R600a or R134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the fridge to see which refrigerant is used for your refrigerator. When this product contains flammable gas (Refrigerant R600a) contact your local authority in regard to safe disposal of this product.
- Cyclopentane is used as a insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broke in the open space.



In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.

Most power failures that are corrected in an hour or two will not affect your refrigerator temperatures.

However, you should minimize the number of door openings while the power is off.

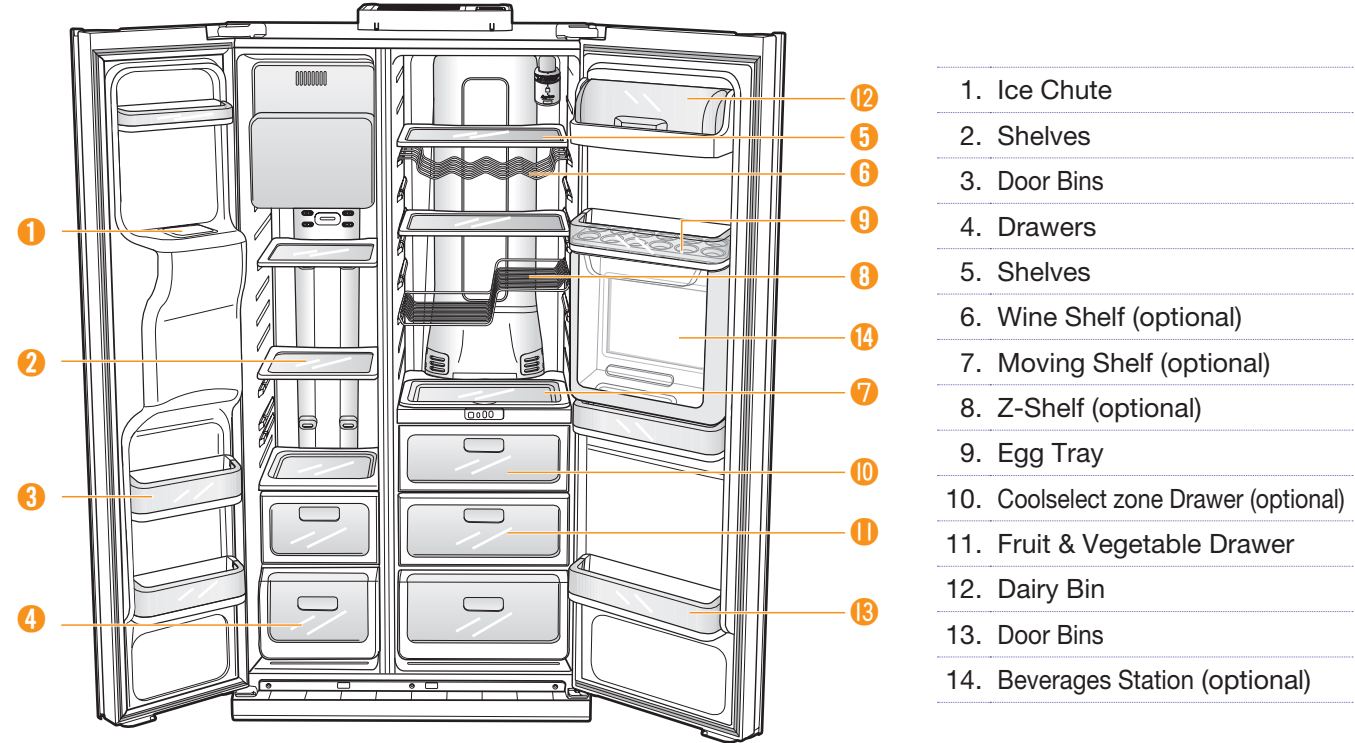
But should the power failure last more than 24 hours, remove all frozen food.

For doors or lids fitted with locks and keys, the keys be kept out of the reach of children and not in the vicinity of the refrigerating appliance, in order to prevent children from being locked inside.

# 3. Names and basic functions

## Name of each component

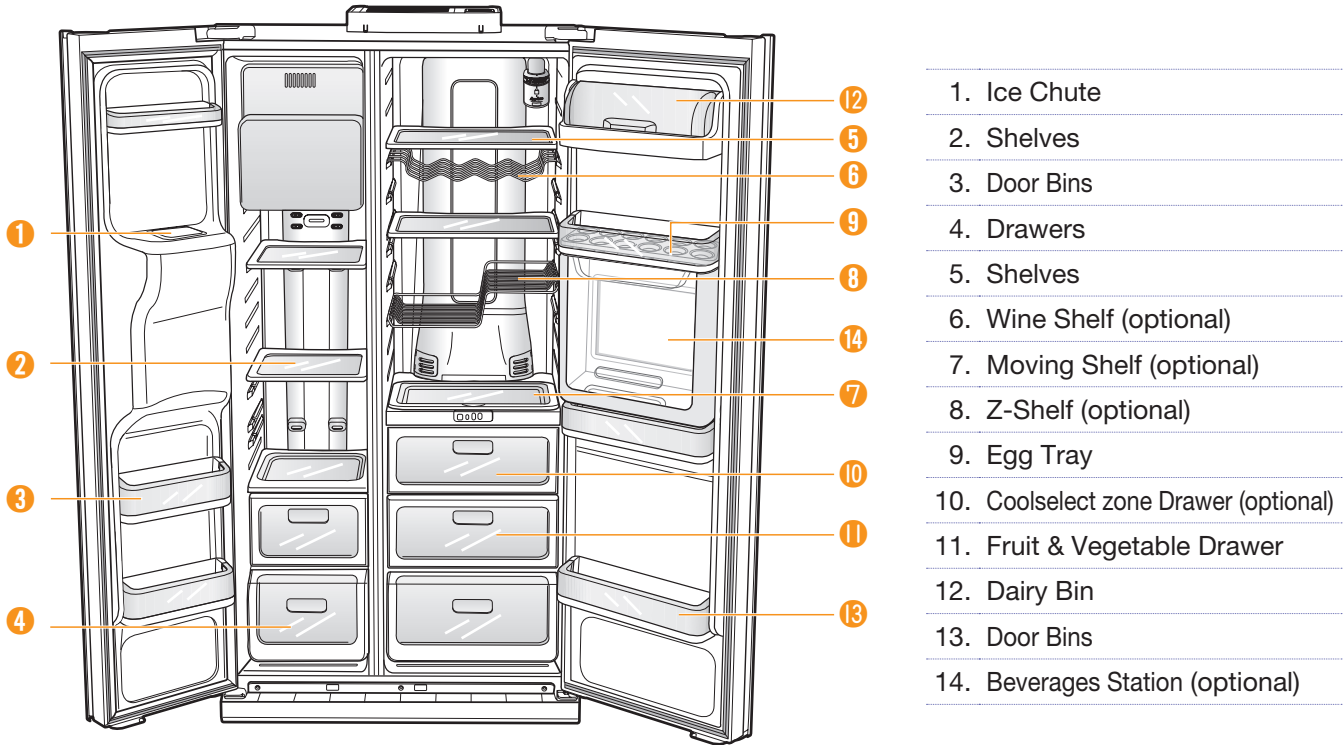
RS21H\*L\*\*





*Name of each component*

RS21/23H\*\*\*\*



Accessories

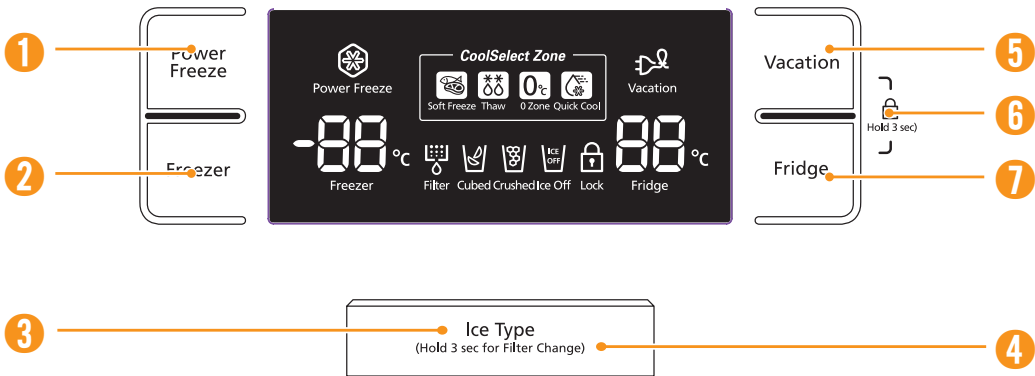


Filter Water



Assy install Filter

Button (RS21H/ RS23H Series)



Option\_Z/Y/K/J


Option\_P/U/F/D

Option\_V/B/S/N



## Vacation option

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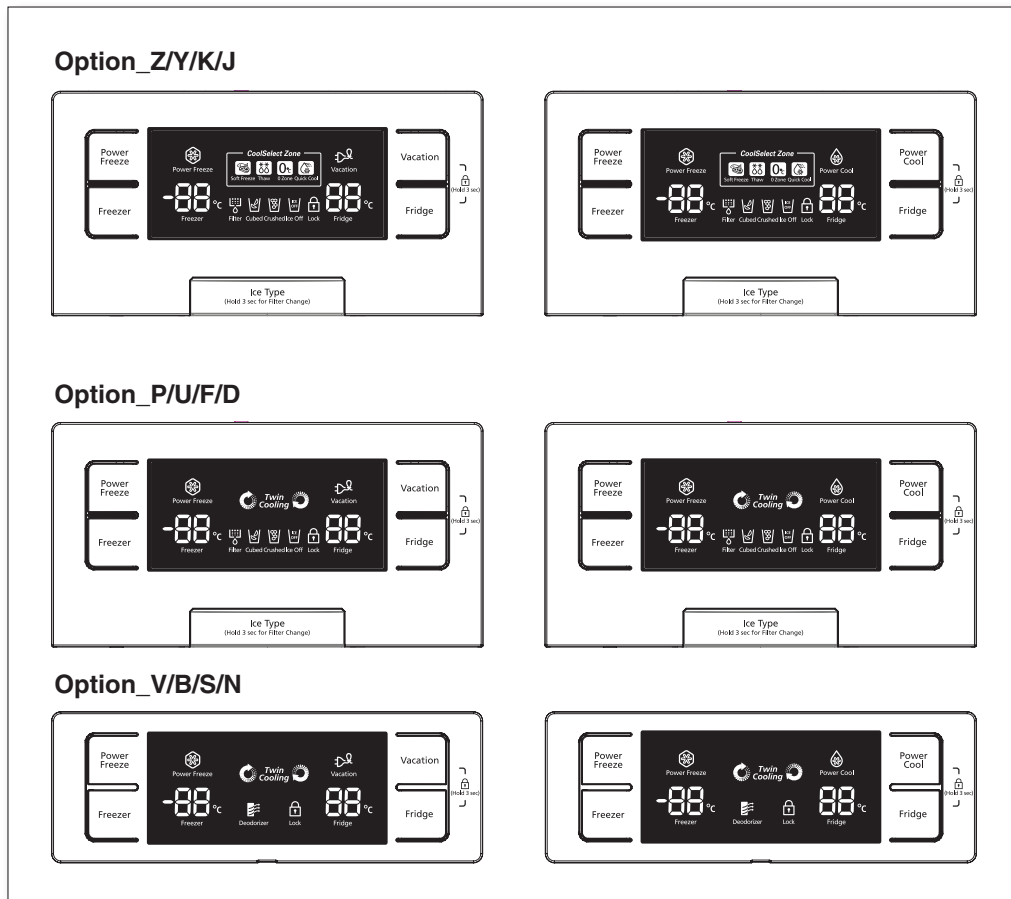
❶ <b>POWER FREEZE BUTTON</b>	Speeds up the time needed to freeze products in the freezer. This can be helpful if you need to quickly freeze items that spoil easily or if the temperature in the freezer has warmed dramatically (For example, if the door was left open).
❷ <b>FREEZER BUTTON</b>	Press the <b>FREEZER</b> button to set the freezer to your desired temperature. You can set the temperature between -14°C (8°F) and -25°C (-14°F).
❸ <b>ICE TYPE BUTTON</b>	Use this button to choose Cubed, Crushed or to turn the Ice feature off.
❹ <b>FILTER CHANGE BUTTON</b>	When you change the filter, press this button for 3 seconds to reset the filter schedule.
❺ <b>VACATION BUTTON</b>	<p>If you are going on vacation or business trip or you do not need to use the refrigerator, press the Vacation button. When you select vacation button for fridge compartment off, display LED of Vacation will be on.</p> <p> It is strongly requested to remove foods in the fresh-food compartment and do not leave the door open when you select Vacation function.</p>
❻ <b>CHILD LOCK FUNCTION</b>	By pressing the Vacation button and the Fridge button simultaneously for 3 seconds, all buttons will be locked. The Water dispenser lever and the Ice lever will not work either. To cancel this function, Press these two buttons for 3 seconds again.
❼ <b>FRIDGE BUTTON</b>	Press the <b>FRIDGE</b> button to set the fridge to your desired temperature. You can set temperature between 1°C and 7°C (34°F and 45°F).

## Power cool option

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❶ <b>POWER FREEZE BUTTON</b>	Speeds up the time needed to freeze products in the freezer. This can be helpful if you need to quickly freeze items that spoil easily or if the temperature in the freezer has warmed dramatically (For example, if the door was left open).
❷ <b>FREEZER BUTTON</b>	Press the <b>FREEZER</b> button to set the freezer to your desired temperature, You can set the temperature between -14°C (8°F) and -25°C (-14°F).
❸ <b>ICE TYPE BUTTON</b>	Use this button to choose Cubed, Crushed or to turn the Ice feature off.
❹ <b>FILTER CHANGE BUTTON</b>	When you change the filter, press this button for 3 seconds to reset the filter schedule.
❺ <b>POWER COOL BUTTON</b>	Press this button to quickly return the refrigerator to the set temperature. Press this button again to cancel the Power Cool mode.
❻ <b>CHILD LOCK FUNCTION</b>	By pressing the Power Cool button and the Fridge button simultaneously for 3 seconds, all buttons will be locked. The Water dispenser lever and the Ice lever will not work either. To cancel this function, Press these two buttons for 3 seconds again.
❼ <b>FRIDGE BUTTON</b>	Press the <b>FRIDGE</b> button to set the fridge to your desired temperature. You can set temperature between 1°C and 7°C (34°F and 45°F).

## Display (RS21H/ RS23H Series)



### Power Freeze

- This icon will light up when you activate the “Power freeze” feature. “Power freeze” is great for times when you need a lot of ice. Press the Power freeze button and ice production will increase. When you have enough, just press the button again to cancel the “Power freeze” mode.



When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

If you need to freeze large amount of food stuff, set the temperature of freezer compartment as the coldest temperature before you turn on the Power Freeze Button.

### Filter Indicator

- When the filter indicator light is on, it is time to change the filter. Typically this happens about every 6 months. After removing the old water filter and installing a new one (see page 38 for instructions on how to do this), reset the indicator status light by pressing the Ice Type button for about 3 seconds. The indicator will light again in about 6 months to let you know it is time to change your water filter. When you do not use the water filter, press the Ice Type button for more than 5 seconds, the Filter indicator lamp and the Filter Change letters will be off.

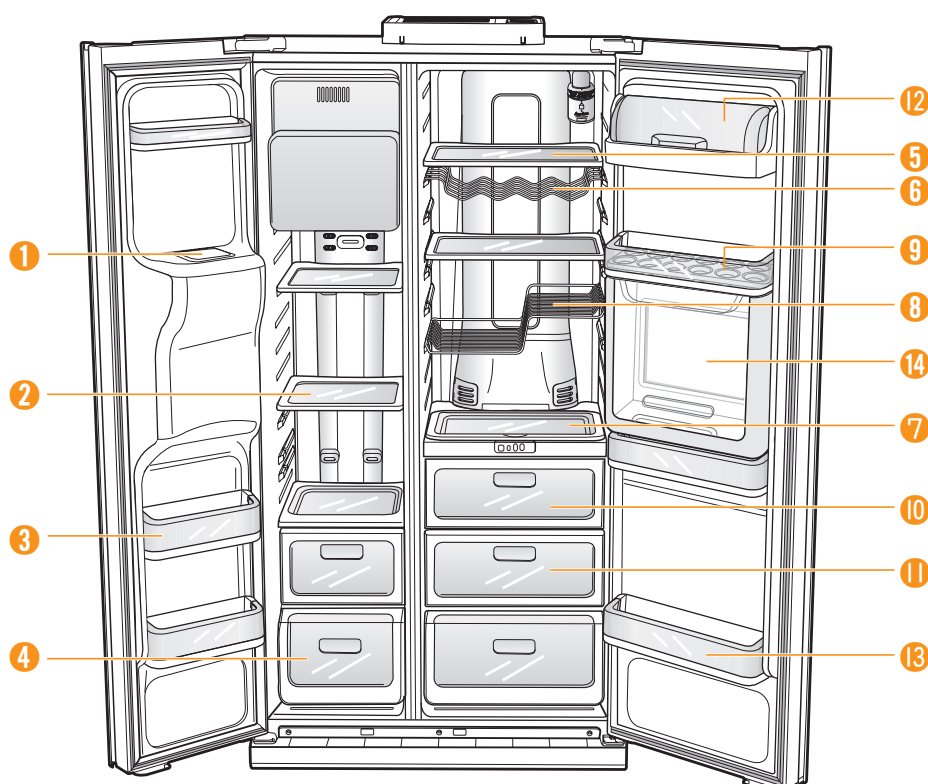
### Cubed Ice , Crushed Ice

- Enjoy cubed or crushed ice by selecting your preference from the digital control panel. If you don't need ice, turn the feature off to save on water and energy consumption. The Ice type light indicates the type of ice(or no ice) that is currently chosen.

### Child Lock

- This icon will light up when you activate the Child Lock function by pressing the Vacation button and the Fridge button simultaneously for 3 seconds. Press these two buttons for 3 seconds again to reactivate. Also, this button has another function. When this button is pressed for 3 seconds (lock indication lamp turn on), the heater for sweat control is off at a same time. If sweat is appeared around the cover dispenser or beverage station with this function, press this button for 3 seconds again. then, the light will turn off and the sweat control function will be performed. and all keys will be unlocked at a same time.

## 4. Storage of food (RS21H/ RS23H Series)



### 1. Ice Chute

- Do not put your fingers, hands or any other objects in the ice chute or the ice maker bucket. This may result in personal injury or material damage.

### 2. Shelves

- Can be used to store all types of frozen food.

### 3. Door Bins

- Can be used for small packages of frozen food.

### 4. Drawers

- Best used to store meats or dry foods. Stored food should be wrapped securely using foil or other suitable wrapping materials or containers.

### 5. Shelves

- Designed to be crack-resistant. They can be used to store all types of food and drinks. Circular marks on the glass surface are a normal phenomenon and can usually be wiped clean with a damp cloth.

### 6. Wine Shelf (optional)

- Helps wines maintain their taste by providing an optimized place for storing your wine bottles.

### 7. Moving Shelf (optional)

- Designed to be crack-resistant. They can be used to store all types of food and drinks. Circular marks on the glass surface are a normal phenomenon and can usually be wiped clean with a damp cloth.

### 8. Z-Shelf (optional)

- Maximizing and efficiently space usage. Enough to store not wine bottles but also 2 liter carton of milk.

### 9. Egg Tray

- Best place to keep eggs.  
Place the EGG TRAY on the shelf for easy access.

### 10. Coolselect Zone Drawer (optional)

- Helps to preserve the taste, and prolong the freshness of your food. Use it to store cheese, meat, poultry, fish or any other foods that are consumed on a regular basis.

### 11. Fruit & Vegetable Drawer

- Used to preserve the freshness of your stored vegetables and fruits. It has been specifically designed to control the level of humidity within the drawer.

### 12. Dairy Bin

- Can be used to store smaller dairy items like butter or margarine, yogurt or cream-cheese bricks.

### 13. Door Bins

- Designed to handle large, bulky items such as gallons of milk or other large bottles and containers.

### 14. Beverages Station (optional)

- Can be used to store the frequently used items, such as canned beverages and snacks and allows access to these items without opening the refrigerator door.



Bottles should be stored tightly together so that they do not tip and fall out when the refrigerator door is opened.

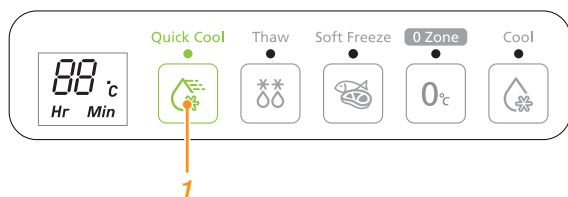


• If you plan to go away for a significant time, empty the refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.

- If the refrigerator is not to be used for a long period of time, pull out the power plug.  
- Deterioration in the power cord insulation may cause fire.

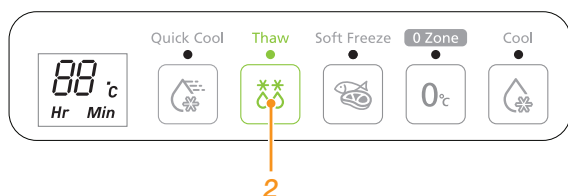
# 5. Controlling the Temperature

## CoolSelect Zone™ Drawer (Optional) (RS21H/ RS23H Series)



### 1. Quick Cool

- You can use the Quick Cool feature with the CoolSelect Zone™.
- “Quick Cool” allows 1~3 canned beverages to cool within 60 min.
- To cancel this function, press the “Quick Cool” button again. CoolSelect Zone™ returns to the previous temperature.
- When “Quick Cool” ends, it returns to the “Cool” temperature setting



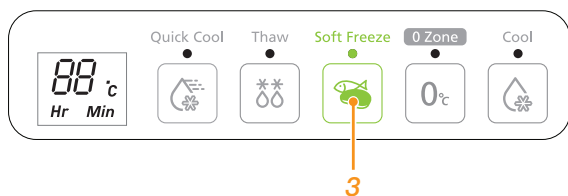
### 2. Thaw

- Drips loss and quality deterioration of meats reduces the freshness of foods.
- After “Thaw” is selected, warm and cold air is alternately supplied into the CoolSelect Zone™ Drawer.
- Depending on the weight of meat, thawing time can be selected for 4 hrs, 6 hrs, 10 hrs, and 12 hrs sequentially.
- When “Thaw” ends, CoolSelect Zone™ display returns to “Zero Zone” condition.
- When “Thaw “ ends, there are no juice in the meats and they are half-frozen condition so it is easy to cut them for cooking.
- To cancel this option, press any button except “Thaw”.
- The approximate thawing time of meat and fish are shown below. (Based on 1inch thickness)

THAW TIME	4hours	6hours	10hours	12hours
WEIGHT	363g (0.8lb)	590g (1.3lb)	771g (1.7lb)	1000g (2.2lb)



- Depending on the size and thickness of meat and fish, the thawing time may vary.
- The above weight represents the total weight of food in the CoolSelect Zone™ Drawer.  
Ex) The total thawing time for 400g frozen beef and 600g frozen chicken will be 10 hours.



### 3. Soft Freeze

- When “Soft Freeze” is chosen, the temperature on the digital panel displays -5°C regardless of the set temperature of the refrigerator.
- “Soft-Freeze” temperature helps keep meats and fishes fresh longer.
- Can cut meat easily without drips.



### 4. Zero Zone (0°C)

- When “Zero Zone” is chosen, the temperature of the CoolSelect Zone™ Drawer is kept at 0 °C regardless of the set refrigerator temperature.
- “Zero Zone” temperature helps keep meat or fish fresh longer.



### 5. Cool

- When “Cool” is chosen, the temperature will be the same as the set temperature of the refrigerator. The digital panel shows the same temperature as that of the display panel.
- The CoolSelect Zone™ Drawer allows extra refrigerator space.

## 6. Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	<ul style="list-style-type: none"><li>• Check that the power plug is properly connected.</li><li>• Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature.</li><li>• Is the refrigerator in direct sunlight or located too near a heat source?</li><li>• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?</li></ul>
The food in the fridge is frozen.	<ul style="list-style-type: none"><li>• Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature.</li><li>• Is the temperature in the room very low?</li><li>• Did you store the food with a high water content in the coldest part of the fridge? Try moving those items into the body of the fridge instead of keeping them in the CoolSelect Zone™ drawer.</li></ul>
You hear unusual noises or sounds.	<ul style="list-style-type: none"><li>• Check that the refrigerator is level and stable.</li><li>• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?</li><li>• Was anything dropped behind or under the refrigerator?</li><li>• A “ticking” sound is heard from inside the refrigerator. This is normal and occurs because various accessories are contracting or expanding in relation to the temperature of the refrigerator interior.</li></ul>
The front corners of the appliance are hot and condensation is occurring.	<ul style="list-style-type: none"><li>• Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation.</li><li>• Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.</li></ul>
Ice is not dispensing.	<ul style="list-style-type: none"><li>• Did you wait for 12 hours after installation of the water supply line before making ice?</li><li>• Is the water line connected and the shut-off valve open?</li><li>• Did you manually stop the ice making function? Make sure Ice Type is set to Cubed or Crushed.</li><li>• Is there any ice blocked within the ice maker bucket?</li><li>• Is the freezer temperature too warm? Try setting the freezer temperature lower.</li></ul>
You can hear water bubbling in the refrigerator.	<ul style="list-style-type: none"><li>• This is normal. The bubbling comes from the refrigerant coolant liquid circulating through the refrigerator.</li></ul>
There is a bad smell in the refrigerator.	<ul style="list-style-type: none"><li>• Has a food item spoiled?</li><li>• Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight.</li><li>• Clean out your freezer periodically and throw away any spoiled or suspect food.</li></ul>
Frost forms on the walls of the freezer.	<ul style="list-style-type: none"><li>• Is the air vent blocked? Remove any obstructions so air can circulate freely.</li><li>• Allow sufficient space between the foods stored for efficient air circulation.</li><li>• Is the freezer door closed properly?</li></ul>
Water dispenser is not functioning.	<ul style="list-style-type: none"><li>• Is the water line connected and the shut-off valve open?</li><li>• Has the water supply line tubing been crushed or kinked? Make sure the tubing is free and clear of any obstruction.</li><li>• Is the water tank frozen because the refrigerator temperature is too low? Try selecting a warmer setting on the main display panel.</li></ul>